

Converting Colors

$Y_{xy}(24.6850, 0.3171, 0.2048)$

Have a look what the booklet for
Yxy(24.6850, 0.3171, 0.2048)
contains.

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Color

Yxy(24.6780, 0.3174, 0.2052)

Conversions

Conversions Part 1

Format	Color
Hex	C760C8
RGB	199, 96, 200
RGB Percent	78%, 38%, 78%
CMY	0.2195, 0.6236, 0.2156
CMYK	0.00, 0.52, 0.00, 0.22
HSL	299°, 49%, 58%
HSV	299°, 52%, 78%
XYZ	38.1715, 24.6780, 57.4136
YIQ	138.6530, 28.0040, 54.1800

Conversions

Conversions Part 2

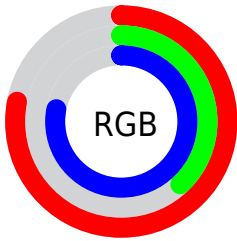
Format	Color
R_{YB}	199, 96, 200
Decimal	13066440
CIE _{Lab}	56.76, 55.27, -36.13
CIE _{LCh}	57, 66.034, 326.830
Yxy	24.6780, 0.3174, 0.2052
Android (android.graphics.Color)	4291256520 (0xFFC760C8)
YUV	138.6530, 30.2441, 52.9243
Hunter-Lab	49.6770, 50.2238, -33.7499

Details

The Yxy color **24.6780, 0.3174, 0.2052** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.7061, 0.3056, 0.4933**, and the grayscale version is **25.5506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **9.4120, 0.3135, 0.1722** is the 20% darker color. If you saturate the color by 10%, you get **21.4571, 0.3180, 0.1868**, and if you desaturate by 10%, it is **28.8295, 0.3167, 0.2266**.

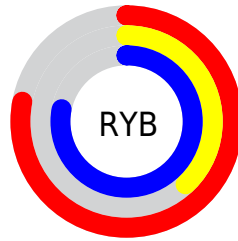
Distribution



Red (78%)

Green (38%)

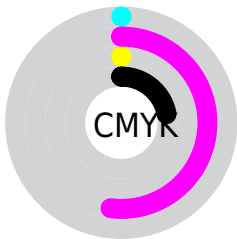
Blue (78%)



Red (78%)

Yellow (38%)

Blue (78%)

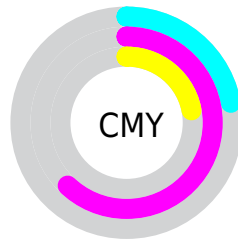


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (62%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6780, 0.3174, 0.2052 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.6780, 0.3174, 0.2052 by changing the saturation by 10% instead.

 24.6780, 0.3174,
0.2052


 24.6780, 0.3174,
0.2052


276.2305, 0.3174,
0.2660


 15.8373, 0.3166,
0.1907


 51.1344, 0.3180,
0.2269

 9.4091, 0.3150,
0.1726


 69.5188, 0.3181,
0.2352

 5.0090, 0.3121,
0.1495


 91.8534, 0.3180,
0.2422

 2.2525, 0.3063,
0.1196

 118.5223, 0.3179,
0.2483

 0.7484, 0.2944,
0.0803

149.9101, 0.3178,
0.2536

 0.0000, 0.2761,
0.0000

186.4012, 0.3177,

 0.0000, 0.0000,

0.2582

0.0000

228.3798, 0.3176,
0.2624

■ 24.6780, 0.3174,
0.2052

■ 24.6780, 0.3174,
0.2052

■ 21.4571, 0.3180,
0.1868

■ 28.8295, 0.3167,
0.2266

■ 19.0916, 0.3184,
0.1722

■ 33.9727, 0.3158,
0.2501

■ 17.5001, 0.3186,
0.1617

■ 40.1672, 0.3149,
0.2748

■ 16.5841, 0.3186,
0.1555

■ 47.4671, 0.3139,
0.2997

■ 16.1941, 0.3185,
0.1528

■ 55.9229, 0.3129,
0.3242

■ 65.5817, 0.3120,
0.3476

■ 76.4882, 0.3110,
0.3698

■ 88.0488, 0.3102,
0.3893

■ 88.0752, 0.3103,
0.3893

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.6780, 0.2188, 0.1753



24.6780, 0.3174, 0.2052



24.6780, 0.4352, 0.2583

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.6780, 0.3174, 0.2052



24.6780, 0.4685, 0.4761



24.6780, 0.1425, 0.2799

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.6780, 0.3174, 0.2052



44.7061, 0.3056, 0.4933

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.6780, 0.1900, 0.4057



24.6780, 0.3174, 0.2052



24.6780, 0.3773, 0.5357

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.6780, 0.3174, 0.2052



24.6780, 0.5254, 0.3986



24.6780, 0.2761, 0.5197



24.6780, 0.1340, 0.2035

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.6780, 0.3174, 0.2052



24.6780, 0.4978, 0.3020



24.6780, 0.2761, 0.5197



24.6780, 0.1536, 0.3174

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.6791, 0.3174, 0.2052



76.6007, 0.3143, 0.2892



15.3367, 0.2141, 0.1676



15.8334, 0.3145, 0.2840



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6791, 0.3174, 0.2052



36.7260, 0.3180, 0.1854



22.8372, 0.3818, 0.2604



10.8113, 0.3136, 0.3062



10.2956, 0.3186, 0.1529



0.4892, 0.3191, 0.1531

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.5061, 0.4603, 0.3282



30.6805, 0.5106, 0.3282



45.8916, 0.2762, 0.4130



10.6386, 0.3288, 0.3288



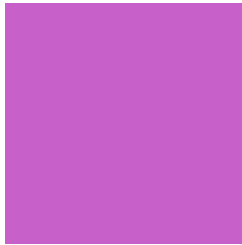
7.8111, 0.6389, 0.3293



0.3704, 0.6347, 0.3270

Previews

White Background



This preview shows how the Yxy color 24.6780, 0.3174, 0.2052 looks on a white background.

Color Contrast Check

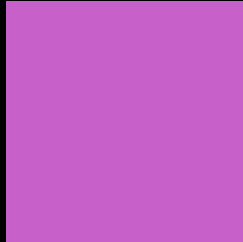
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.6780, 0.3174, 0.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

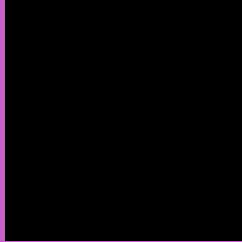
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6780, 0.3174, 0.2052

Background



This preview shows how black text looks on a background with the Yxy color 24.6780, 0.3174, 0.2052.

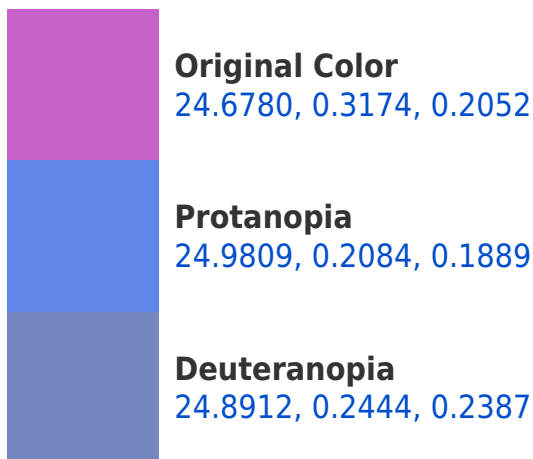


This preview shows how white text looks on a background with the Yxy color 24.6780, 0.3174, 0.2052.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

24.6639, 0.3982, 0.3168

Trichromacy



Original Color

24.6780, 0.3174, 0.2052



Protanomaly

23.5058, 0.2363, 0.1905



Deuteranomaly

23.7713, 0.2660, 0.2207



Tritanomaly

24.3296, 0.3669, 0.2703

Monochromacy



Original Color

24.6780, 0.3174, 0.2052



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.3162, 0.3154, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6780, 0.3174, 0.2052 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 96, 200)` looks like.

```
.text, #text, p{  
    color:rgb(199, 96, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 96, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 96, 200) }
```

Border

The CSS property to change the border of an element to Yxy 24.6780, 0.3174, 0.2052 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 96, 200) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 96, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 96, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 96, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 96, 200);  
box-shadow:4px 4px 4px 4px rgb(199, 96,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6780, 0.3174, 0.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 96, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199, 96,  
200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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